July 18, 1997

Mr. Thomas Alcamo
U.S. EPA Region V- SR-6J
77 West Jackson Blvd.
Chicago, Illinois 60604

RE: PM10 Air Sampling Data
Master Metals Site, Cleveland, Ohio

Dear Mr. Alcamo:

The purpose of this correspondence is to provide information regarding air monitoring data collected at the Master Metals Site in Cleveland, Ohio. The data contained in this letter was collected by PM10 air monitoring stations during the period of June 18 to July 9, 1997. This letter will address action level exceedences and the corrective actions employed in response to them.

Four (4) high-volume PM10 air samplers are being operated by ENTACT at the Master Metals facility. These samplers are identified as C157-1, C157-2, C157-3, and C157-4 with their relative positions being the NW. SW. SE, and NE corners of the site. The table below contains air monitoring data collected during the weeks of June 18 to July 9, 1997. The action level has been established as 1.5 $\mu g/m^3$ for total suspended lead. This is based on the National Ambient Air Quality Standard for lead which is 1.5 $\mu g/m^3$ total suspended lead on a quarterly average. The action level was exceeded during the sampling period, which resulted in the employment of corrective actions to reduce future dust emissions. It should be noted that no exceedences of the total suspended particulate action level were recorded during the sampling period.

The majority of the information presented in the table was collected during a two week period of activities that included the removal of gross contamination from the concrete slabs around the site and movement of large debris to facilitate site access. Field activities on June 23 and 24 consisted of gross contamination removal and subsequent decontamination of the concrete in the area adjacent to PM10 C157-4 in the northeast corner of the site.

Corrective actions in response to the air monitoring data consisted of the following:

- procurement of an additional ~ 1,000 feet of fire hose for dust suppression,
- installation of a weather station on site to instantaneously monitor wind, direction and speed to allow for greater efficiency in misting operations,
- additional poly to cover waste piles and reduce fugitive emissions, and
- four (4) pressure washers to increase misting capabilities.

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Total Suspended Lead Collected at PM10 Air Monitoring Stations

Date	C157-1 ($\mu g/m^3$)	C157-2 ($\mu g/m^3$)	C157-3 ($\mu g/m^3$)	C157-4 ($\mu g/m^3$)	Daily Average ($\mu g/m^3$)
6/18/97	1.2	0.16	< 0.15	< 0.15	0.42
6/19/97	0.98	4.1	0.49	< 0.15	1.43
6/21/97	2.4	0.48	< 0.15	1.6	1.16
6/23/97	0.38	0.18	1.9	31	8.37
6/24/97	2.2	0.16	0.48	12	3.71
7/1/97	0.97	1.9	0.87	1.6	1.34
7/9/97	0.36	0.52	0.99	0.78	0.66

Information collected to date indicates that wind blown fugitive emissions from open expanses of concrete must be minimized in order to control potential future exceedences. Following receipt of this information, additional dust suppression supplies and equipment were purchased. This will result in reduced fugitive emissions from wind swept concrete areas and the reduction of dust generated during site activities.

The corrective actions implemented will reduce the potential for airborne lead at the Master Metals Site. It is anticipated that the reduction will result in PM10 total suspended lead being below the Site action level of 1.5 $\mu g/m^3$. The NAAQS standard for total suspended is 1.5 $\mu g/m^3$ averaged quarterly. Daily averages calculated over the sampling period showed two exceedences of the total suspended lead action level. However, corrective actions employed at the Site should result in a quarterly average below the NAAQS standard.

If you have any questions or comments, please contact myself at (216) 687-0461 or Dean Pisani at (630) 616-2100.

Respectfully,

Erich Kissick
ENTACT, Inc.

cc: Dean Pisani, ENTACT
Bart Ray, OEPA
Master Metals Technical Committee